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*121
for
100% WFE**FILE: EB178B1
Ali-Fed Inc.**EB
4/10/60
11:30*

March 29, 1960

Dear Sir:

This letter report summarizes the research performed under Task Order No. RR during February, 1960.

During the meeting with you on February 11, the design of the reduced-size Model 2 incinerator was reviewed by examining shop drawings and a cardboard mock-up of the proposed unit. No major changes were recommended; therefore, construction was started immediately on all of the major parts. By the end of February, all of the components were fabricated and assembly of the unit was nearly completed.

A temporary opening with a duct and butterfly damper has been provided in the lower section (future blower compartment) for use during experimental operation with an available blower. The liner louvers and main air nozzles of this unit are similar to those in the Model 1 unit. In addition to the radiation shield around the combustion chamber, a conical radiation shield has been provided between the upper cone of the shell and of the liner to reduce the surface temperatures in that area during operation. The loading door is similar in design to that of the Model 1 unit except that it is narrower (12-in. by 12-in. opening in liner). A stack of legal-size folders fits nicely through the door and in the combustion chamber.

Initial operation of the reduced-size incinerator was planned for the second week of March. Determination of air-flow requirements and air distribution is the immediate objective.

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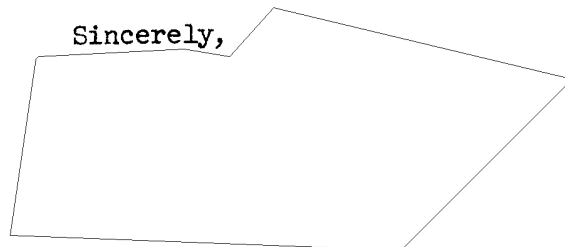
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March 29, 1960

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The total appropriation on this Task Order was \$10,070. As of March 1, 1960, the unexpended balance was approximately \$3,600.

Sincerely,



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ABW:mlm

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